Hamed Ghiasirad

Lista Publikacji

1. Ghiasirad, H., Ebrahimian, F., Gholizadeh Baris, T., Mohammadi, A., Mirmasoumi, S., Saray, R. K., & Skorek-Osikowska, A. (2025). LCA and exergy-economic evaluation of a biogas-to-fuels system using CO2 hydrogenation and exhaust gas recycling. Energy Conversion and Management: X, 26. https://doi.org/10.1016/j.ecmx.2025.100897.

2. Gholizadeh Baris, T., Ghiasirad, H., & Skorek-Osikowska, A. (2024). Life cycle and techno-economic analyses of biofuels production via anaerobic digestion and amine scrubbing CO2 capture. Energy Conversion and Management, 321. https://doi.org/10.1016/j.enconman.2024.119066.

3. Ghiasirad, H., & Skorek-Osikowska, A. (2024). Biomethanol production via electrolysis, oxy-fuel combustion, water-gas shift reaction, and LNG cold energy recovery. International Journal of Hydrogen Energy, 52. https://doi.org/10.1016/j.ijhydene.2023.10.089.

4. Ghiasirad, H., Gholizadeh Baris, T., Ochmann, J., Jurczyk, M., Bartela, Ł., & Skorek-Osikowska, A. (2024). Synergizing compressed air energy storage and liquefied natural gas regasification in a power-to-biofuels plant. Energy, 308. https://doi.org/10.1016/j.energy.2024.132859.

5. Ghiasirad, H., Khalili, M., Bahnamiri, F. K., Pakzad, P., & Skorek-Osikowska, A. (2023). Techno-economic comparison of power-to-ammonia and biomass-to-Ammonia plants using electrolyzer, CO2 capture and water-gas-shift membrane reactor. Journal of the Taiwan Institute of Chemical Engineers, 151. https://doi.org/10.1016/j.jtice.2023.105097.